



IFWO

RAW SEQUENCE LISTING

DATE: 08/05/2004

PATENT APPLICATION: US/10/799,514

TIME: 11:02:11

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3 <110> APPLICANT: Spertini, Francois
 4 Corthesy, Blaise
 6 <120> TITLE OF INVENTION: Allergen Peptide Fragments and Use Thereof
 8 <130> FILE REFERENCE: 25720-502
 10 <140> CURRENT APPLICATION NUMBER: 10/799,514
 11 <141> CURRENT FILING DATE: 2004-03-12
 13 <150> PRIOR APPLICATION NUMBER: 60/455,004
 14 <151> PRIOR FILING DATE: 2003-03-14
 16 <160> NUMBER OF SEQ ID NOS: 23
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
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 23 <213> ORGANISM: Artificial Sequence
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 31 1 5 10 15
 33 Gly Pro Asn Glu Leu Gly Arg Phe Lys His Thr Asp Ala Cys Cys Arg
 34 20 25 30
 36 Thr His Asp Met Cys Pro Asp Val Met Ser Ala Gly Glu Ser Lys His
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 39 Gly Leu Thr Asn Thr Ala Ser His Thr Arg Leu Ser
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 54 1 5 10 15
 56 Cys Asp Asp Lys Phe Tyr Asp Cys Leu Lys Asn Ser Ala Asp Thr Ile
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 59 Ser Ser Tyr Phe Val Gly Lys Met Tyr Phe Asn Leu Ile Asp Thr Lys
 60 35 40 45
 62 Cys Tyr Lys Leu Glu
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79 Gly Glu Arg Thr Glu Gly Arg Cys Leu His Tyr Thr Val Asp Lys Ser
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82 Lys Pro Lys Val Tyr Gln Trp Phe Asp Leu Arg Lys Tyr
83           35           40           45
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97 1           5           10           15
99 Gly Pro Asn Glu Leu Gly Arg Phe Lys His Thr Asp Ala Cys Cys Arg
100           20           25           30
102 Thr His Asp Met Cys Pro Asp Val Met Ser Ala Gly Glu Ser Lys His
103           35           40           45
105 Gly Leu Thr Asn Thr Ala Ser His Thr Arg Leu Ser Cys Asp Cys Asp
106           50           55           60
108 Asp Lys Phe Tyr Asp Cys Leu Lys Asn Ser Ala Asp Thr Ile Ser Ser
109 65           70           75           80
111 Tyr Phe Val Gly Lys Met Tyr Phe Asn Leu Ile Asp Thr Lys Cys Tyr
112           85           90           95
114 Lys Leu Glu His Pro Val Thr Gly Cys Gly Glu Arg Thr Glu Gly Arg
115           100          105          110
117 Cys Leu His Tyr Thr Val Asp Lys Ser Lys Pro Lys Val Tyr Gln Trp
118           115          120          125
120 Phe Asp Leu Arg Lys Tyr
121           130
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137 Ala Arg Leu Phe Lys Ala Phe Ile Leu Asp Gly Asp Asn Leu Phe Pro
138          20          25          30
140 Lys Val Ala Pro Gln Ala Ile Ser Ser Val Glu Asn Ile Glu Gly Asn
141          35          40          45
143 Gly Gly Pro Gly Thr Ile Lys Lys Ile Ser Phe Pro Glu Gly Phe Pro
144          50          55          60
146 Phe Lys Tyr Val Lys Asp Arg Val Asp Glu Val Asp His Thr Asn Phe
147 65          70          75          80
149 Lys Tyr Asn Tyr Ser Val Ile Glu Gly Gly His Pro Val Thr Gly Cys
150          85          90          95
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172 Glu Lys Ile Ser Asn Glu Ile Lys Ile Val Ala Thr Pro Asp Gly Gly
173          20          25          30
175 Ser Ile Leu Lys Ile Ser Asn Lys Tyr His Thr Lys Gly Asp His Glu
176          35          40          45
178 Val Lys Ala Glu Gln Val Lys Ala Ser Lys Glu Met Gly Glu Thr Leu
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201 Ala Arg Leu Phe Lys Ala Phe Ile Leu Asp Gly Asp Asn Leu Phe Pro
202          20          25          30
204 Lys Val Ala Pro Gln Ala Ile Ser Ser Val Glu Asn Ile Glu Gly Asn
205          35          40          45
207 Gly Gly Pro Gly Thr Ile Lys Lys Ile Ser Phe Pro Glu Gly Phe Pro
208          50          55          60
210 Phe Lys Tyr Val Lys Asp Arg Val Asp Glu Val Asp His Thr Asn Phe

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211 65              70              75              80
213 Lys Tyr Asn Tyr Ser Val Ile Glu Gly Gly Pro Ile Gly Asp Thr Leu
214              85              90              95
216 Glu Lys Ile Ser Asn Glu Ile Lys Ile Val Ala Thr Pro Asp Gly Gly
217              100             105             110
219 Ser Ile Leu Lys Ile Ser Asn Lys Tyr His Thr Lys Gly Asp His Glu
220              115             120             125
222 Val Lys Ala Glu Gln Val Lys Ala Ser Lys Glu Met Gly Glu Thr Leu
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226 145              150              155              160
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242 Met Ser Trp Gln Thr Tyr Val Asp Glu His Leu Met Ser Asp Ile Asp
243 1              5              10              15
245 Gly Gln Ala Ser Asn Ser Leu Ala Ser Ala Ile Val Gly His Asp Gly
246              20              25              30
248 Ser Val Trp Ala Gln Ser Ser Ser Phe Pro Gln Phe Lys Pro Gln Glu
249              35              40              45
251 Ile Thr Gly Ile Met Lys Asp Phe Glu Glu Pro Gly His Leu Ala Pro
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254 Thr Gly Leu His Leu Gly
255 65              70
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265 Peptide
267 <400> SEQUENCE: 9
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271 Ile Gln Gly Glu Ala Gly Ala Val Ile Arg Gly Lys Lys Gly Ser Gly
272              20              25              30
274 Gly Ile Thr Ile Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Ile Tyr
275              35              40              45
277 Glu Glu Pro Val Thr Pro Gly Gln Ser Asn Met Val Val Glu Arg Leu
278 50              55              60
280 Gly Asp Tyr Leu Ile Asp Gln Gly Leu
281 65              70
284 <210> SEQ ID NO: 10
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297 Gly Gln Ala Ser Asn Ser Leu Ala Ser Ala Ile Val Gly His Asp Gly
298           20           25           30
300 Ser Val Trp Ala Gln Ser Ser Ser Phe Pro Gln Phe Lys Pro Gln Glu
301           35           40           45
303 Ile Thr Gly Ile Met Lys Asp Phe Glu Glu Pro Gly His Leu Ala Pro
304           50           55           60
306 Thr Gly Leu His Leu Gly Gly Ile Lys Tyr Met Val Ile Gln Gly Glu
307   65           70           75           80
309 Ala Gly Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Ile Thr Ile
310           85           90           95
312 Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Ile Tyr Glu Glu Pro Val
313           100          105          110
315 Thr Pro Gly Gln Ser Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu
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331 <400> SEQUENCE: 11
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335 Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys Gly
336           20           25           30
338 Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr Leu
339           35           40           45
341 Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu Val Asp
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345   65           70           75           80
347 Glu
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353 <212> TYPE: PRT
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356 <220> FEATURE:
357 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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VERIFICATION SUMMARY

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